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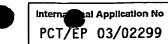
(54) Title: POLYOLEFIN COMPOSITIONS HAVING HIGH FLUIDITY

(57) Abstract: A polyolefin composition suitable for preparing films and sheets, comprising: (A) from 15 to 40 % by weight of a crystalline copolymer of propylene with at least one alpha-olefin of formula H2C=CHR1, where R1 is H or a C2-8 linear or branched nalkyl, containing at least 90 % by weight of propylene, having solubility in xylene at room temperature lower than 15% by weight; (B) from 60 to 85 % by weight of an elastomeric fraction comprising: (1) a copolymer of propylene with ethylene, optionally containing 0.5 to 5 % by weight of a diene, containing from 20 to 35% by weight ethylene, and having solubility in xylene at room temperature greater than 45% by weight, the intrinsic viscosity of the xylene soluble fraction ranging from 1.0 to 3.9 dl/g; and (2) a copolymer of ethylene with at least one alpha-olefin of formula H<sub>2</sub>C=CHR<sup>2</sup>, where R<sup>2</sup> is a C<sub>2-8</sub> linear or branched alkyl, optionally containing 0.5 to 5 % by weight of a diene, containing 15 % to 40 % by weight alpha-olefin, and having solubility in xylene at room temperature greater than 35% by weight, the intrinsic viscosity of the xylene soluble fraction ranging from 1.0 to 3.0 dl/g; the (1)/(2) weight ratio ranging from 1:5 to 5:1. The polyolefin composition of the invention, preferably prepared by sequential polymerization in at least three stages, has a flexural modulus lower than 130 Mpa, shore D hardness lower than 40, and MFR ≥ 1.5 g/10min.



a. classification of subject matter IPC 7 C08L23/10 C08L23/04 C08L23/16 C08J5/18 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C08L C08J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) WPI Data, PAJ, EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Retevant to daim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1 - 12US 5 360 868 A (BARRERA MARK E ET AL) X 1 November 1994 (1994-11-01) abstract; claims 1-15 column 7, line 39 column 4, line 51 column 10; table 1B 1 - 6X EP 0 412 534 A (SHOWA DENKO KK) 13 February 1991 (1991-02-13) abstract; claims 1-9 page 3, line 35,49 page 4, line 30 page 7; table 1 WO 00 11057 A (NEWS JEAN ;COVEZZI MASSIMO (IT); GOVONI GABRIELE (IT); MONTECH USA) 1 - 14Α 2 March 2000 (2000-03-02) abstract; claims 1-8 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priorily date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled O document referring to an oral disclosure, use, exhibition or 'P' document published prior to the international filing date but later than the priority date claimed \*&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 02/06/2003 23 May 2003 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk
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